

TC Number: A208-09

Tetra Tech, Inc.

4213 State Street, Suite 100 Santa Barbara, CA 93110-2847 VOICE (805) 681-3100 FAX (805) 681-3108 Project: Vandenberg Air Force Base IRP

Log of Well No. 33-MW-4

Location: OU4, Site 33, approximately 150 feet west of north corner of perimeter fence.

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|---|--|
| Date Started: 10/2/96 Completed: 10/7/96 | 4" PVC Blank Casing: from 0 ft bgs to 11.75 ft bgs |
| Logged By: J. Bonebrake Checked By: J. R. Steele, R.G. C.E.G., C.H.G. | U.02 Screening Casing: from 11.75 ft bgs to 21.75 ft bgs |
| Drilled By: Brent Carpenter, S/G Testing J.R. Steek, Rt. | Bentonite/Cement Grout: from 1 ft bgs to 4.9 ft bgs |
| Drilling Equipment: CME 75, 8-inch & 10-inch HSA | Bentonite Transitional Seal: from 4.9 ft bgs to 7.2 ft bgs |
| Sampling Equipment: 2-inch I.D. Split Spoon | #3 Sand Filter Pack: from 7.2 ft bgs to 22.25 ft bgs |
| GS Elev.: 64.67 ft above MSL TD: 23.25 ft bgs | TOC Flev: 67 04 ft above MSI |

TOC Flow 67 04 ft above MSI

| <u></u> | 64.67 it above MSL | TD: 23.25 ft bgs | <u> </u> | Elev. | | | | | ove MS | | - | |
|---------------------|--|--|--------------------|------------------|-----|-----------------|-----|--------|--------------------------|---------------------|----------------------|--------------------|
| (ft. bgs) | MATERIAL DESCRIP | | Material Symbol | Material Type | Con | Well structi | ion | Sample | Blow Counts per 6" | Percent Recovery | PID (ppm) Amb/Smp | REMARKS |
| _ P | and, dark yellowish brown (10Y poorly graded, subrounded to su race medium sand, trace gravel, naterial, dune sand. | bangular, loose, dry, | | SP | | | | Ĭ | | | 1.1/ | Start drilling 104 |
| _ _ _ n | nedium dense. | | | | | | | | | | | |
| | | | | | | | / | | 5 6 8 | 40 | 1.0/ | |
| - - - - | ark yellowish brown (10YR 4/6) | , moist. | | | | | | | 5 10 13 | 90 | 1.0/ | |
| ar | nnd, pale brown (10YR 6/3), fine nd subangular, dense, very mois ace silt, dune sand. | grained, subrounded t, trace medium sand, | | SM- SP | | | | | 9 14 20 | 90 | 0.5/ 0.6 | |
| - | | | | | | | | | 20 | | | |

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|------------------------|------|---|--------------------|--------------------|----------------------|--------|--------------------------|---------------------|----------------------------|---|
| Depth (ft. bgs) | | MATERIAL DESCRIPTION | Material Symbol | Material Type | Well Construction | Sample | Blow Counts per 6" | Percent Recovery | PID (ppm) Amb/Smp | REMARKS |
| 25 20 30 40 - | | sand, dark yellowish brown (10YR 4/4), moist, with Monterey derived 1/4-inch gravel. shale, light olive brown (5YR 4/6), and yellowish red (5YR 4/6), very moist, mottled, weathered, Monterey Formation. gray (2.5YR 6/1), hard with chert layers up to 1-inch thick. | | SM- SP Shale | | X | 西 | 90 | 0.5/ 0.6 0.5/ 0.6 | End drilling 1245. 10/3/96, Water was measured in the borehole at 21.3 ft bgs at 1710. TD 8-inch auger at 23.25 ft. TD 10-inch auger at 22.25 ft. Bottom 1.0 ft of borehole filled with drill cuttings. Well construction completed 10/7/96. |
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| TC | . Nu | mber: A208-09 TE | TRA T | TECH, | INC. | | | | | Page 2 of 2 |